

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMARK

Report Number: P306973

Luminaire Tested: **RPGC25S - POSITION 0 - FACTORY PRESET-347**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P306973  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-276-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: RPGC25S - POSITION 0 - FACTORY PRESET-347  
Description: ROUND PARKING GARAGE LUMEN SELECT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7781.2 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.1')  
IES Classification: Type V - Short - Cutoff  
BUG Rating: B3 - U3 - G2

Input Watts (W): 64.15  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

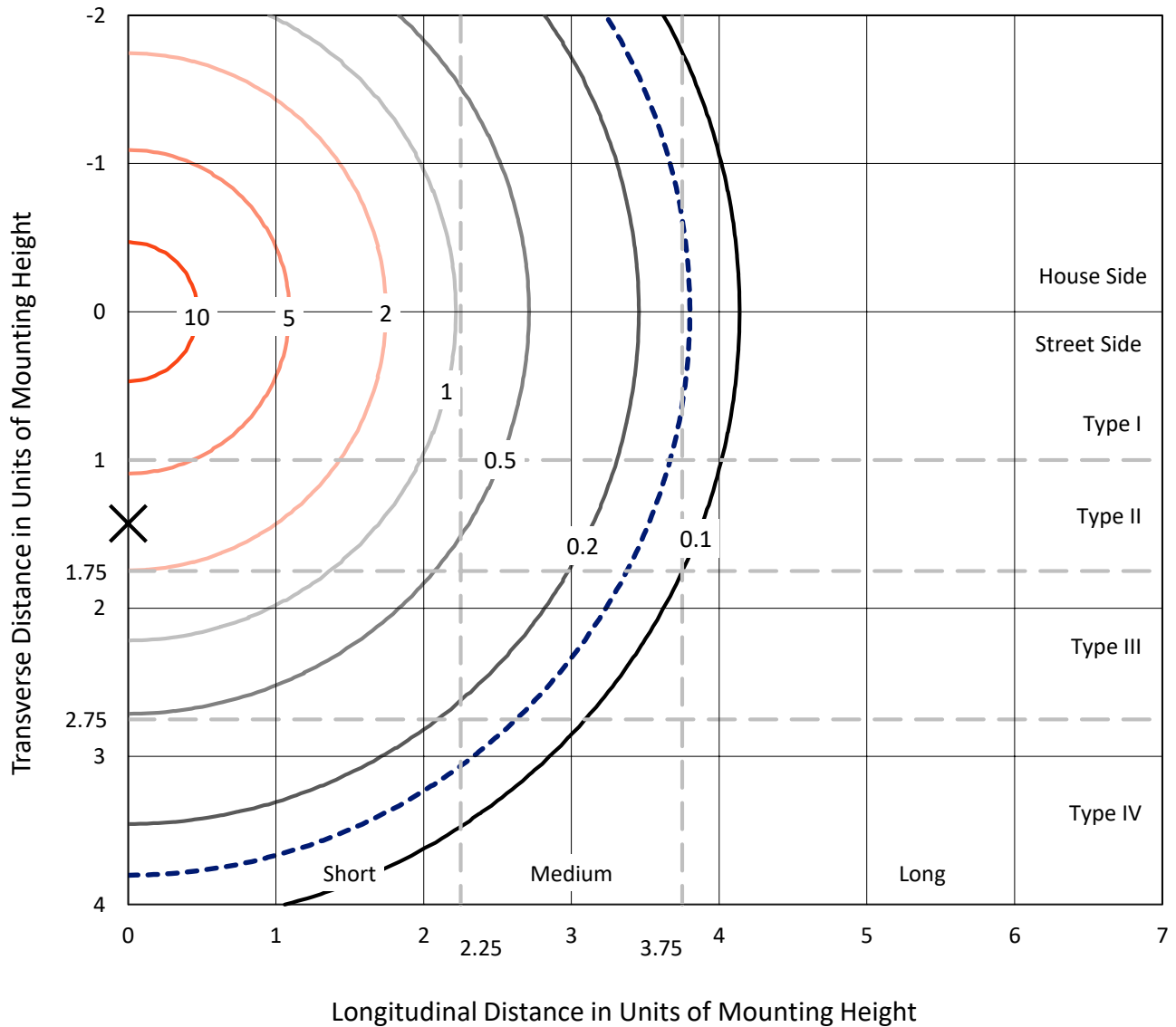


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

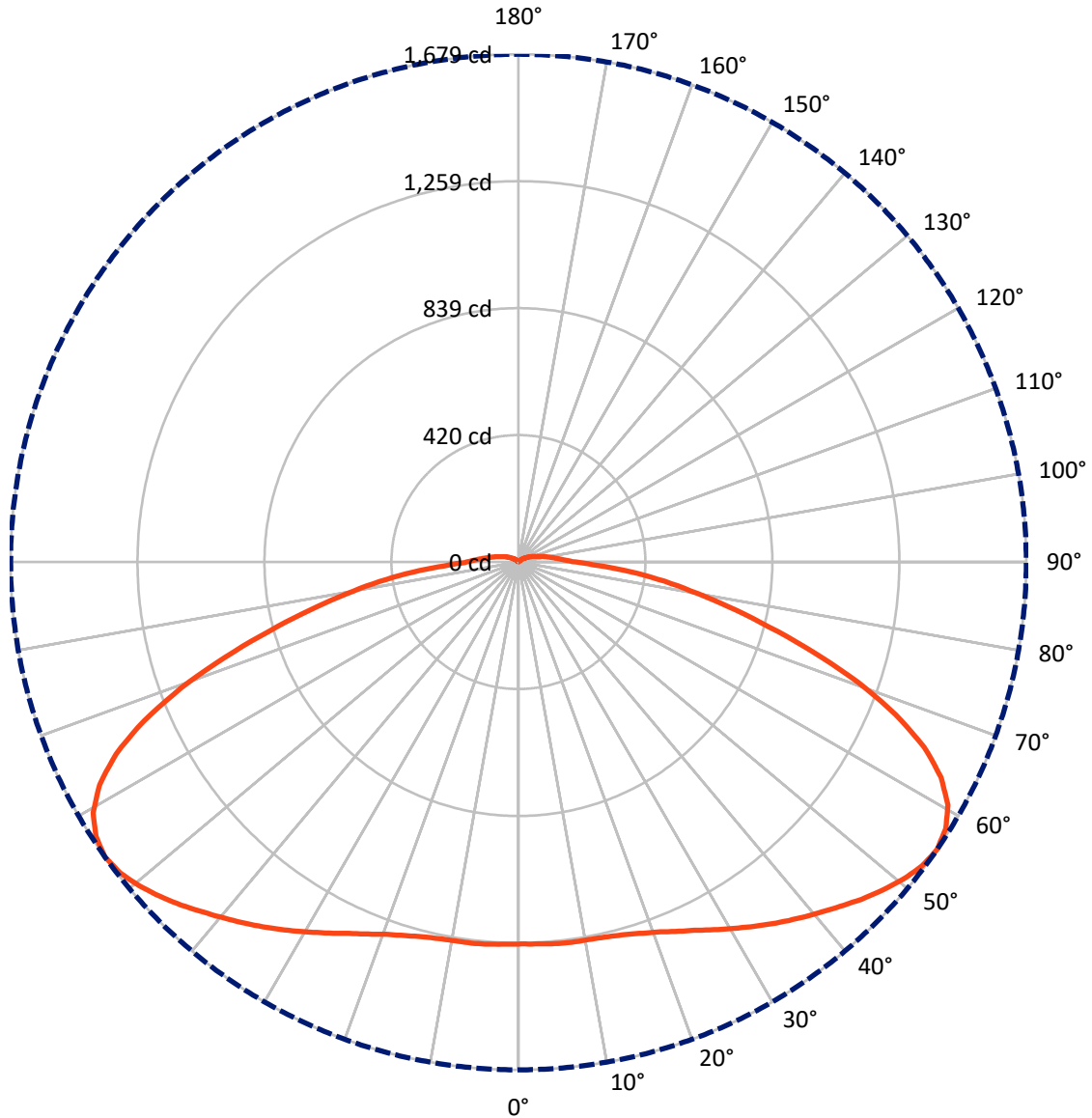


Based on 10 foot mounting height. Maximum calculated value = 12.6 fc  
 Type V - Short - Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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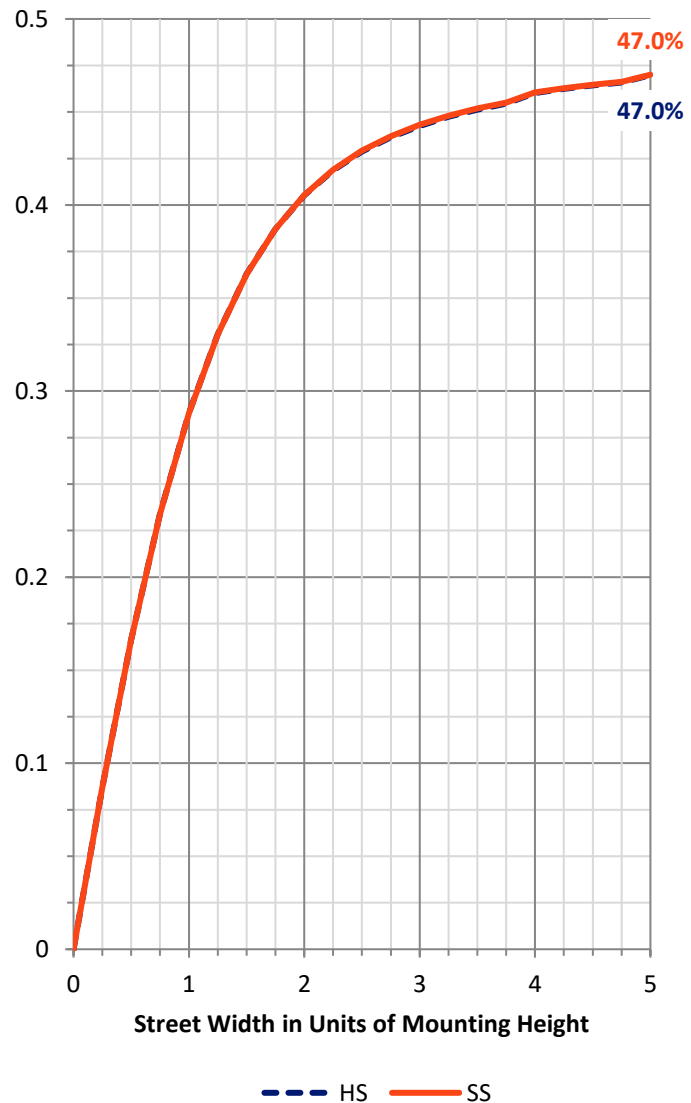
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3749.4	141.2	3890.6
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	3749.4	141.2	3890.6
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	7498.8	282.4	7781.2
	% Fixture	96.4	3.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.0	1.6
10°-20°	364.0	4.7
20°-30°	626.9	8.1
30°-40°	922.1	11.9
40°-50°	1231.5	15.8
50°-60°	1492.0	19.2
60°-70°	1435.6	18.5
70°-80°	914.4	11.8
80°-90°	391.4	5.0
90°-100°	142.4	1.8
100°-110°	76.2	1.0
110°-120°	39.8	0.5
120°-130°	17.6	0.2
130°-140°	5.7	0.1
140°-150°	0.7	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7498.8	96.4
0°-180°	7781.2	100.0



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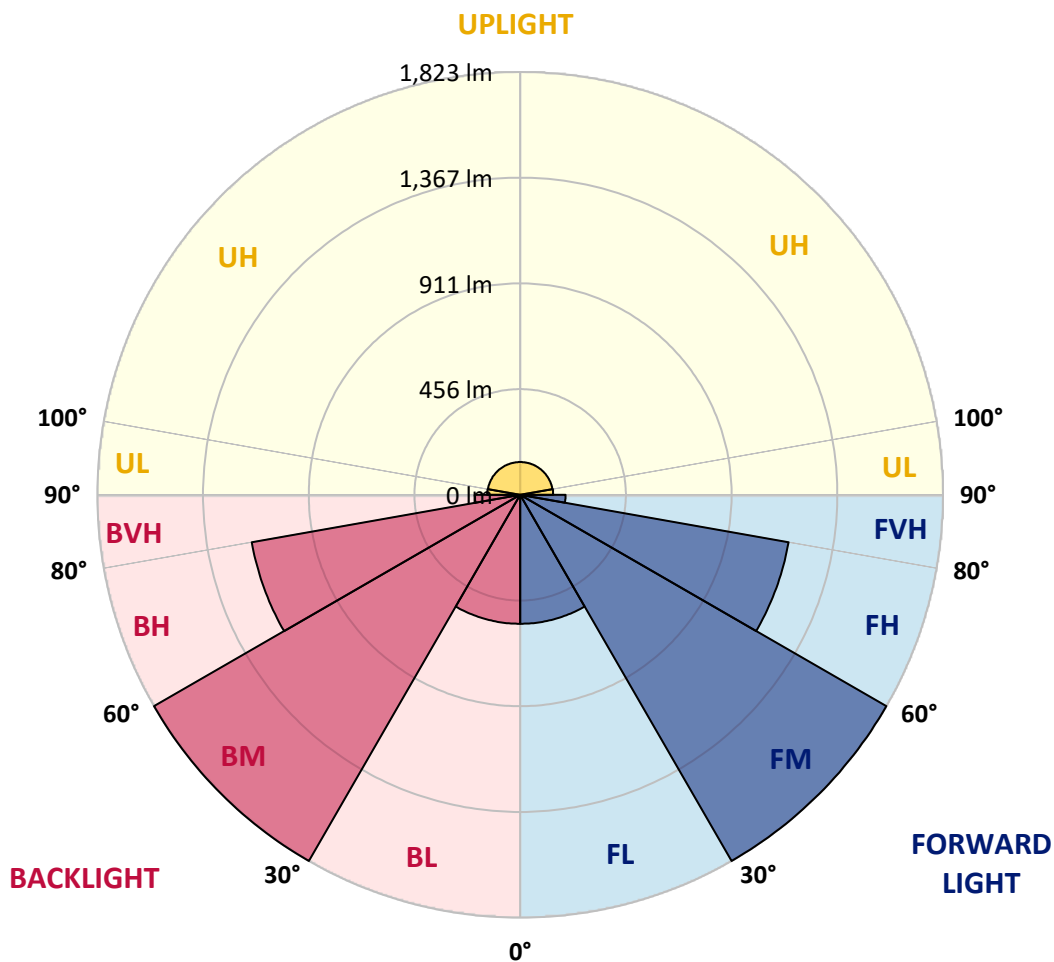
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.0	7.1			
FM (30°-60°)	1822.8	23.4			
FH (60°-80°)	1175.0	15.1			G1/1800
FVH (80°-90°)	195.7	2.5			G2/225
BL (0°-30°)	556.0	7.1	B2/1000		
BM (30°-60°)	1822.8	23.4	B2/2500		
BH (60°-80°)	1175.0	15.1	B3/2500		G1/1800
BVH (80°-90°)	195.7	2.5			G2/225
UL (90°-100°)	142.4	1.8		U3/500	
UH (100°-180°)	141.2	1.8		U3/500	

**BUG Rating: B3-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1262.1
2.5°	1264.0
5°	1267.0
7.5°	1269.0
10°	1269.0
12.5°	1271.9
15°	1278.8
17.5°	1290.6
20°	1305.4
22.5°	1326.1
25°	1348.7
27.5°	1376.3
30°	1404.8
32.5°	1435.3
35°	1465.9
37.5°	1495.4
40°	1525.9
42.5°	1556.4
45°	1589.9
47.5°	1620.4
50°	1648.0
52.5°	1669.6
55°	1678.5
57.5°	1664.7
60°	1631.2
62.5°	1567.3
65°	1473.7
67.5°	1344.8
70°	1190.2
72.5°	1019.9
75°	854.5
77.5°	707.8
80°	577.9
82.5°	463.7
85°	350.5
87.5°	245.1
90°	177.2
92.5°	149.6
95°	127.0
97.5°	109.3
100°	94.5
102.5°	81.7
105°	70.9
107.5°	61.0
110°	53.2



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	46.3
115°	39.4
117.5°	33.5
120°	27.6
122.5°	23.6
125°	18.7
127.5°	15.8
130°	11.8
132.5°	9.8
135°	6.9
137.5°	4.9
140°	3.0
142.5°	2.0
145°	1.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)