

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: P306970

Luminaire Tested: **RPGC25S - POSITION 1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P306970  
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 1  
Description: ROUND PARKING GARAGE LUMEN SELECT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6124.5 lumens  
Efficiency: N/A  
Efficacy: 125.7 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.1')  
IES Classification: Type V - Short - Cutoff  
BUG Rating: B2 - U3 - G2

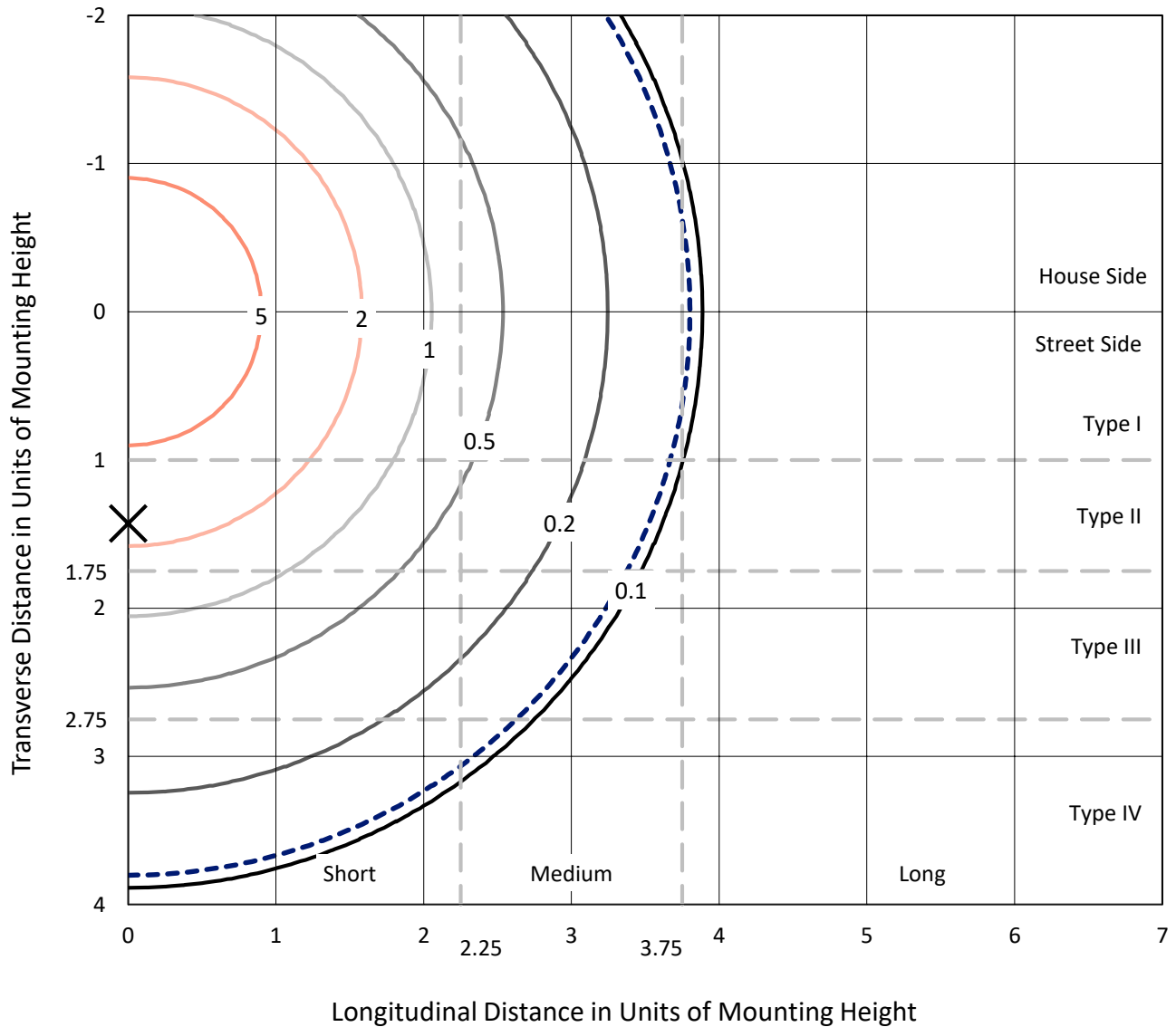
Input Watts (W): 48.72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

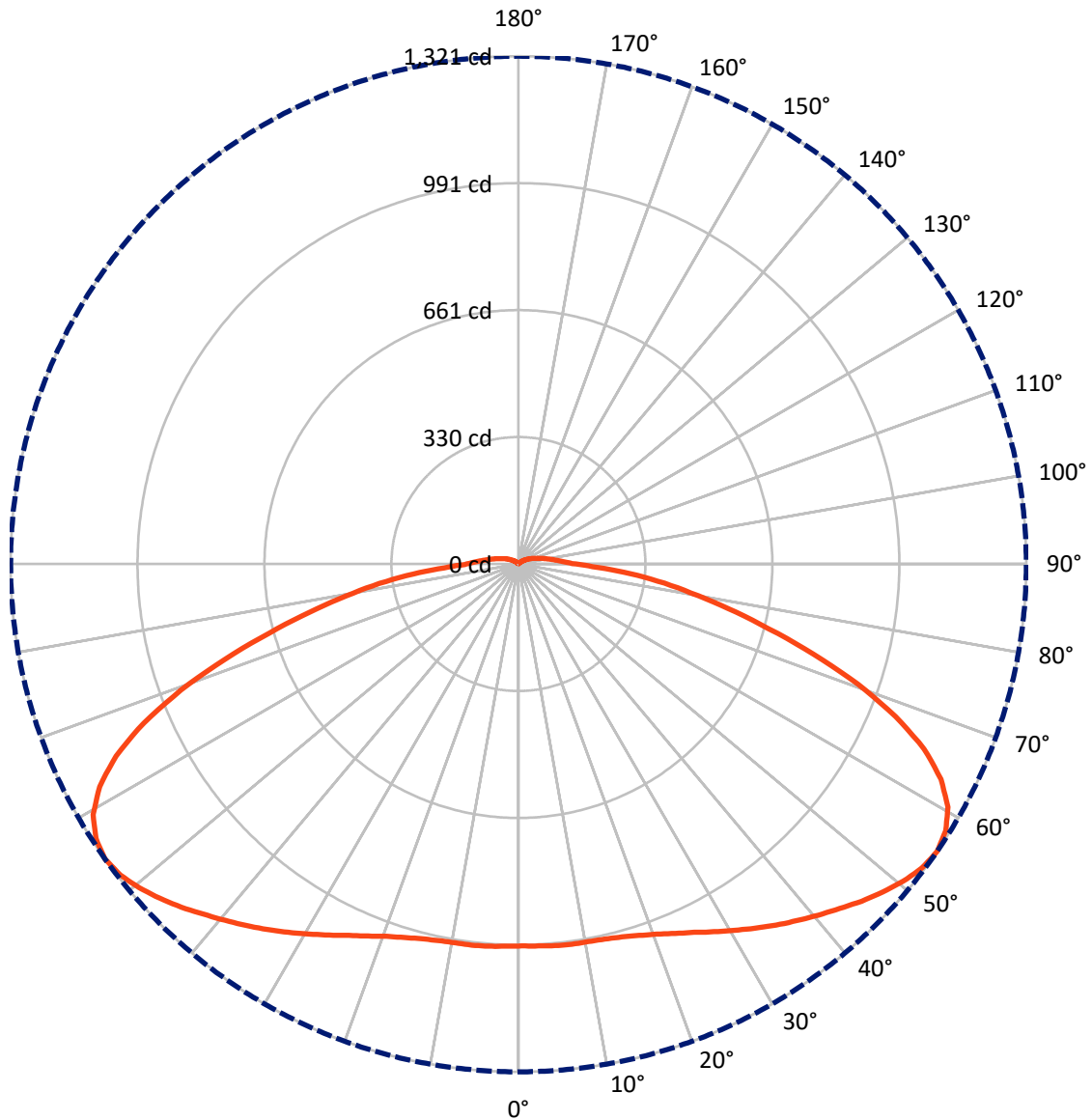
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 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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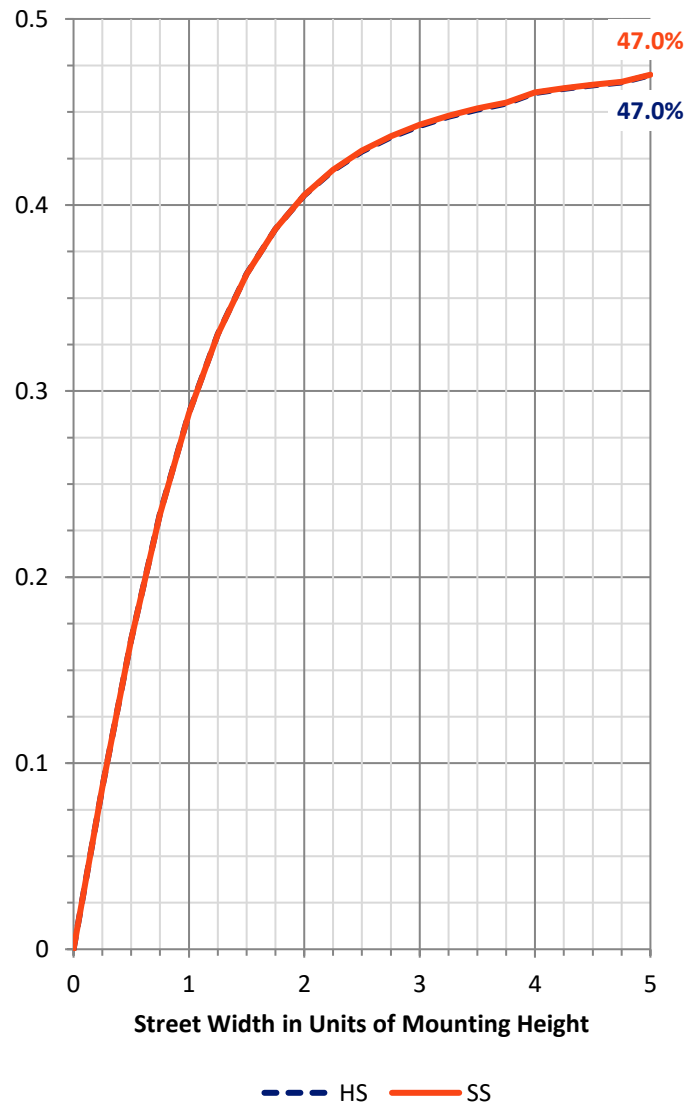
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2951.1	111.1	3062.2
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	2951.1	111.1	3062.2
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	5902.2	222.2	6124.5
	% Fixture	96.4	3.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.2	1.6
10°-20°	286.5	4.7
20°-30°	493.5	8.1
30°-40°	725.8	11.9
40°-50°	969.3	15.8
50°-60°	1174.3	19.2
60°-70°	1130.0	18.5
70°-80°	719.7	11.8
80°-90°	308.0	5.0
90°-100°	112.1	1.8
100°-110°	60.0	1.0
110°-120°	31.3	0.5
120°-130°	13.8	0.2
130°-140°	4.5	0.1
140°-150°	0.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5902.2	96.4
0°-180°	6124.5	100.0



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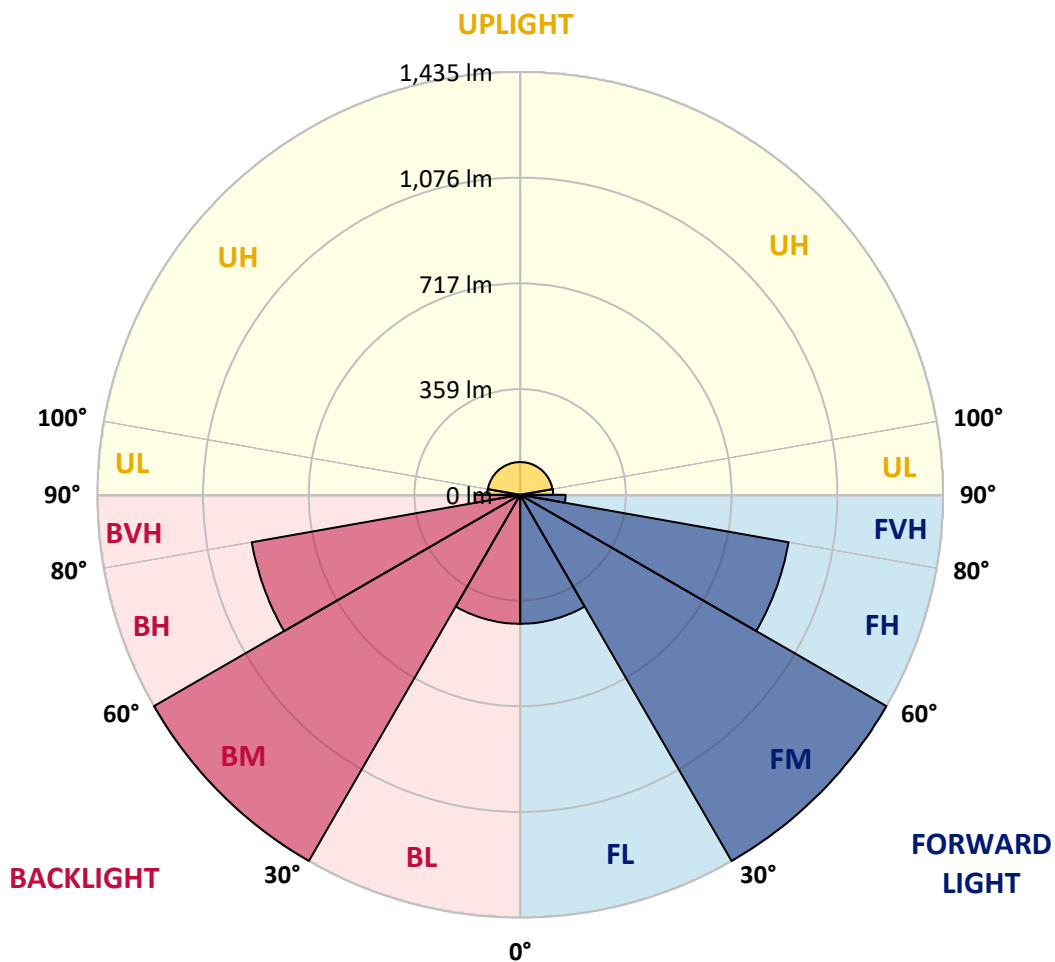
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	437.6	7.1			
FM	(30°-60°)	1434.7	23.4			
FH	(60°-80°)	924.8	15.1			G1/1800
FVH	(80°-90°)	154.0	2.5			G2/225
BL	(0°-30°)	437.6	7.1	B1/500		
BM	(30°-60°)	1434.7	23.4	B2/2500		
BH	(60°-80°)	924.8	15.1	B2/1000		G1/1800
BVH	(80°-90°)	154.0	2.5			G2/225
UL	(90°-100°)	112.1	1.8		U3/500	
UH	(100°-180°)	111.1	1.8		U3/500	

**BUG Rating: B2-U3-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	993.4
2.5°	994.9
5°	997.2
7.5°	998.8
10°	998.8
12.5°	1001.1
15°	1006.5
17.5°	1015.8
20°	1027.5
22.5°	1043.7
25°	1061.6
27.5°	1083.3
30°	1105.7
32.5°	1129.7
35°	1153.8
37.5°	1177.0
40°	1201.0
42.5°	1225.0
45°	1251.4
47.5°	1275.4
50°	1297.1
52.5°	1314.2
55°	1321.1
57.5°	1310.3
60°	1283.9
62.5°	1233.6
65°	1160.0
67.5°	1058.5
70°	936.8
72.5°	802.8
75°	672.6
77.5°	557.1
80°	454.8
82.5°	365.0
85°	275.8
87.5°	192.9
90°	139.5
92.5°	117.8
95°	100.0
97.5°	86.0
100°	74.4
102.5°	64.3
105°	55.8
107.5°	48.0
110°	41.8

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	36.4
115°	31.0
117.5°	26.3
120°	21.7
122.5°	18.6
125°	14.7
127.5°	12.4
130°	9.3
132.5°	7.7
135°	5.4
137.5°	3.9
140°	2.3
142.5°	1.5
145°	0.8
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)