

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: P306971

Luminaire Tested: **RPGC25S - POSITION 1-347**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P306971
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 1-347
Description: ROUND PARKING GARAGE LUMEN SELECT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6113 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.1')
IES Classification: Type V - Short - Cutoff
BUG Rating: B2 - U3 - G2

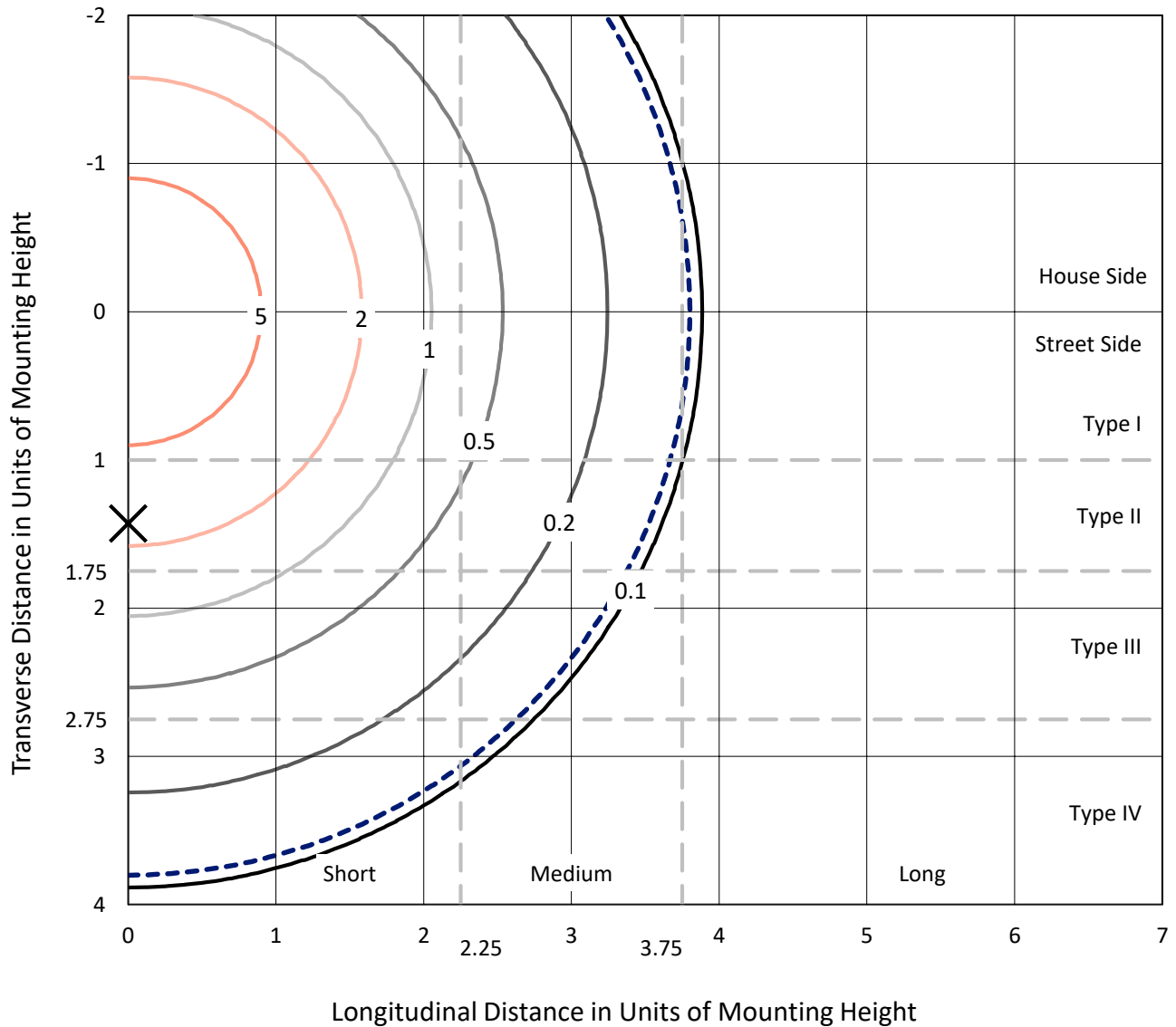
Input Watts (W): 50.58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

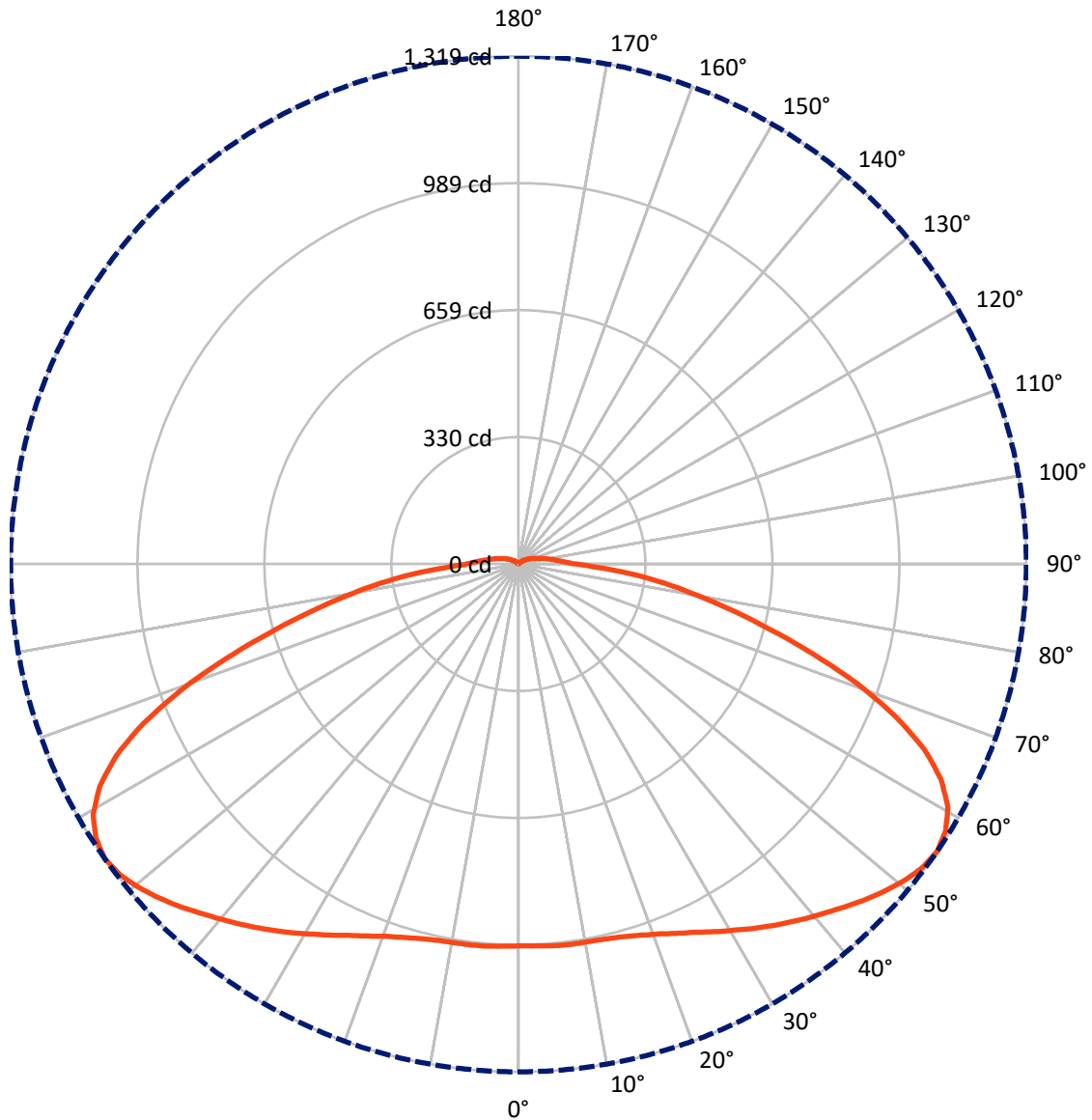
✕ Max cd
 - - - 1/2 Max cd



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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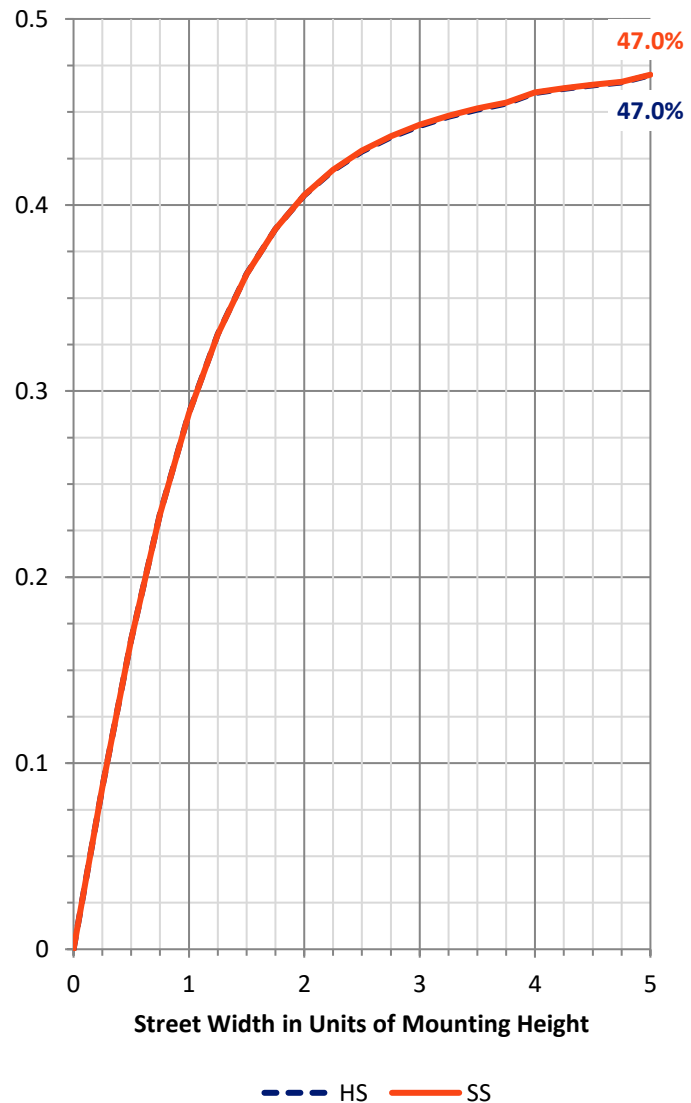
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2945.6	110.9	3056.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2945.6	110.9	3056.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	5891.1	221.9	6113.0
	% Fixture	96.4	3.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	1.6
10°-20°	285.9	4.7
20°-30°	492.5	8.1
30°-40°	724.4	11.9
40°-50°	967.4	15.8
50°-60°	1172.1	19.2
60°-70°	1127.9	18.5
70°-80°	718.3	11.8
80°-90°	307.5	5.0
90°-100°	111.9	1.8
100°-110°	59.9	1.0
110°-120°	31.2	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°	5891.1	96.4
0°-180°	6113.0	100.0



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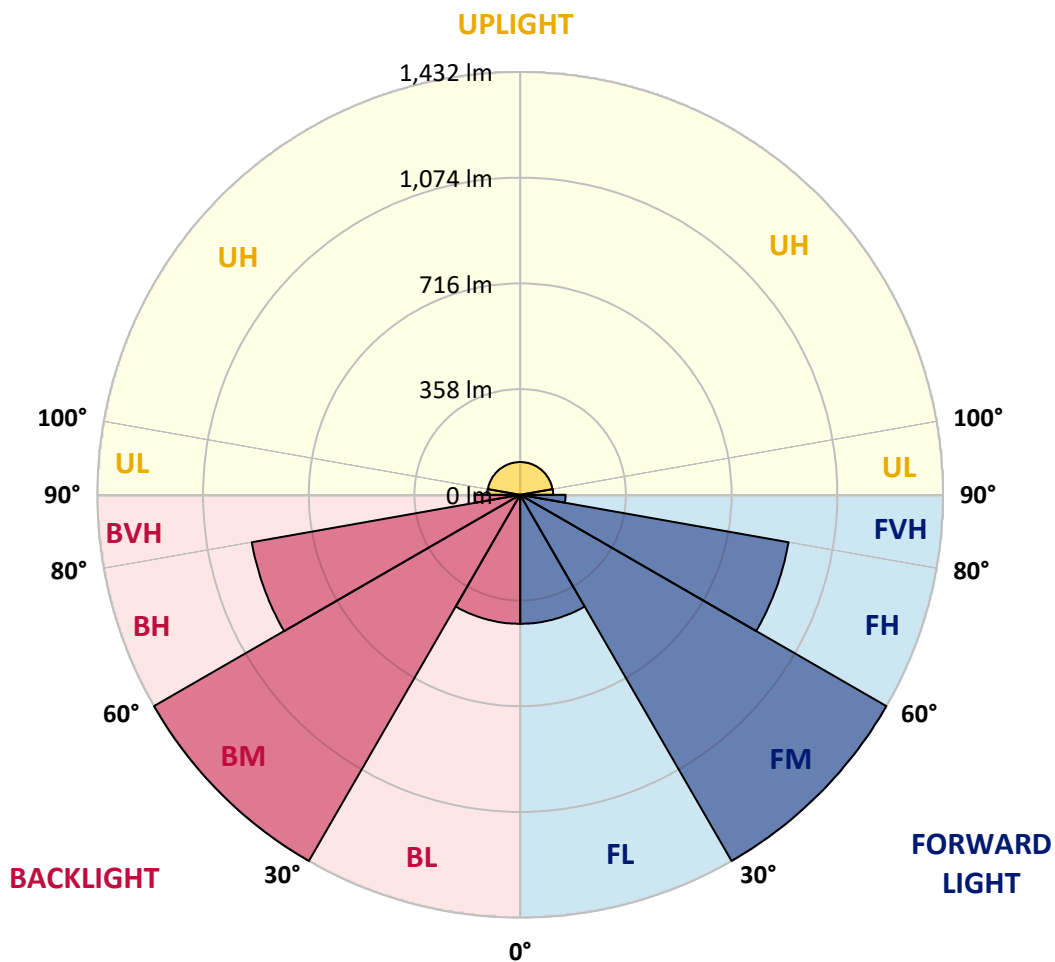
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.8	7.1			
FM (30°-60°)	1432.0	23.4			
FH (60°-80°)	923.1	15.1			G1/1800
FVH (80°-90°)	153.7	2.5			G2/225
BL (0°-30°)	436.8	7.1	B1/500		
BM (30°-60°)	1432.0	23.4	B2/2500		
BH (60°-80°)	923.1	15.1	B2/1000		G1/1800
BVH (80°-90°)	153.7	2.5			G2/225
UL (90°-100°)	111.9	1.8		U3/500	
UH (100°-180°)	110.9	1.8		U3/500	

BUG Rating: B2-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	991.5
2.5°	993.0
5°	995.4
7.5°	996.9
10°	996.9
12.5°	999.2
15°	1004.6
17.5°	1013.9
20°	1025.5
22.5°	1041.8
25°	1059.6
27.5°	1081.2
30°	1103.6
32.5°	1127.6
35°	1151.6
37.5°	1174.8
40°	1198.8
42.5°	1222.7
45°	1249.0
47.5°	1273.0
50°	1294.7
52.5°	1311.7
55°	1318.7
57.5°	1307.8
60°	1281.5
62.5°	1231.3
65°	1157.8
67.5°	1056.5
70°	935.0
72.5°	801.2
75°	671.3
77.5°	556.1
80°	454.0
82.5°	364.3
85°	275.3
87.5°	192.6
90°	139.2
92.5°	117.6
95°	99.8
97.5°	85.8
100°	74.2
102.5°	64.2
105°	55.7
107.5°	48.0
110°	41.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	36.3
115°	30.9
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)