

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: P306972

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P306972
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
Description: ROUND PARKING GARAGE LUMEN SELECT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7811.4 lumens
Efficiency: N/A
Efficacy: 129.8 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): 60.2
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

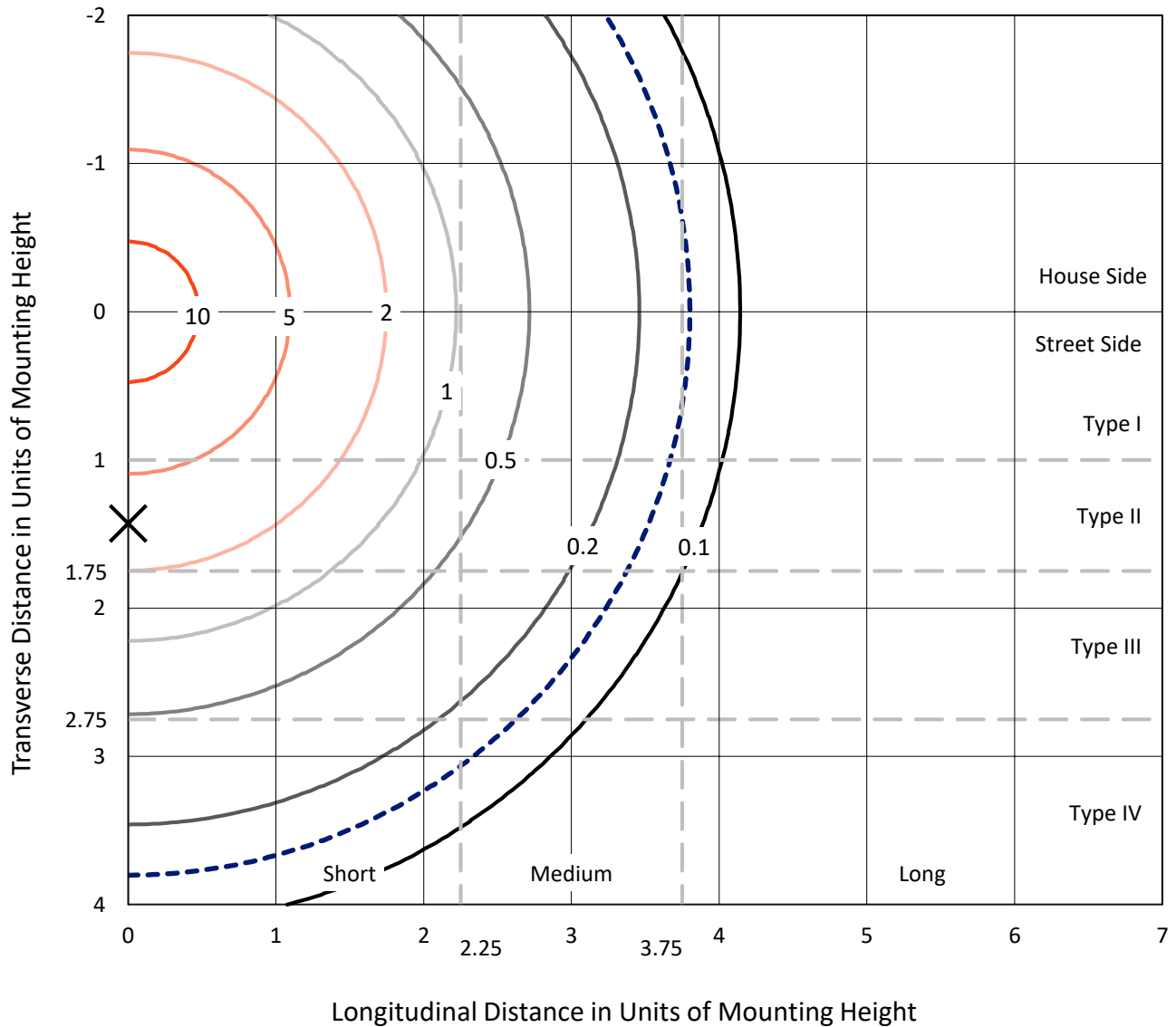


REPORT NUMBER: P306972

CATALOG NUMBER: RPGC25S - POSITION 0 - FACTORY PRESET

Iso-Footcandle Lines of Horizontal Illumination

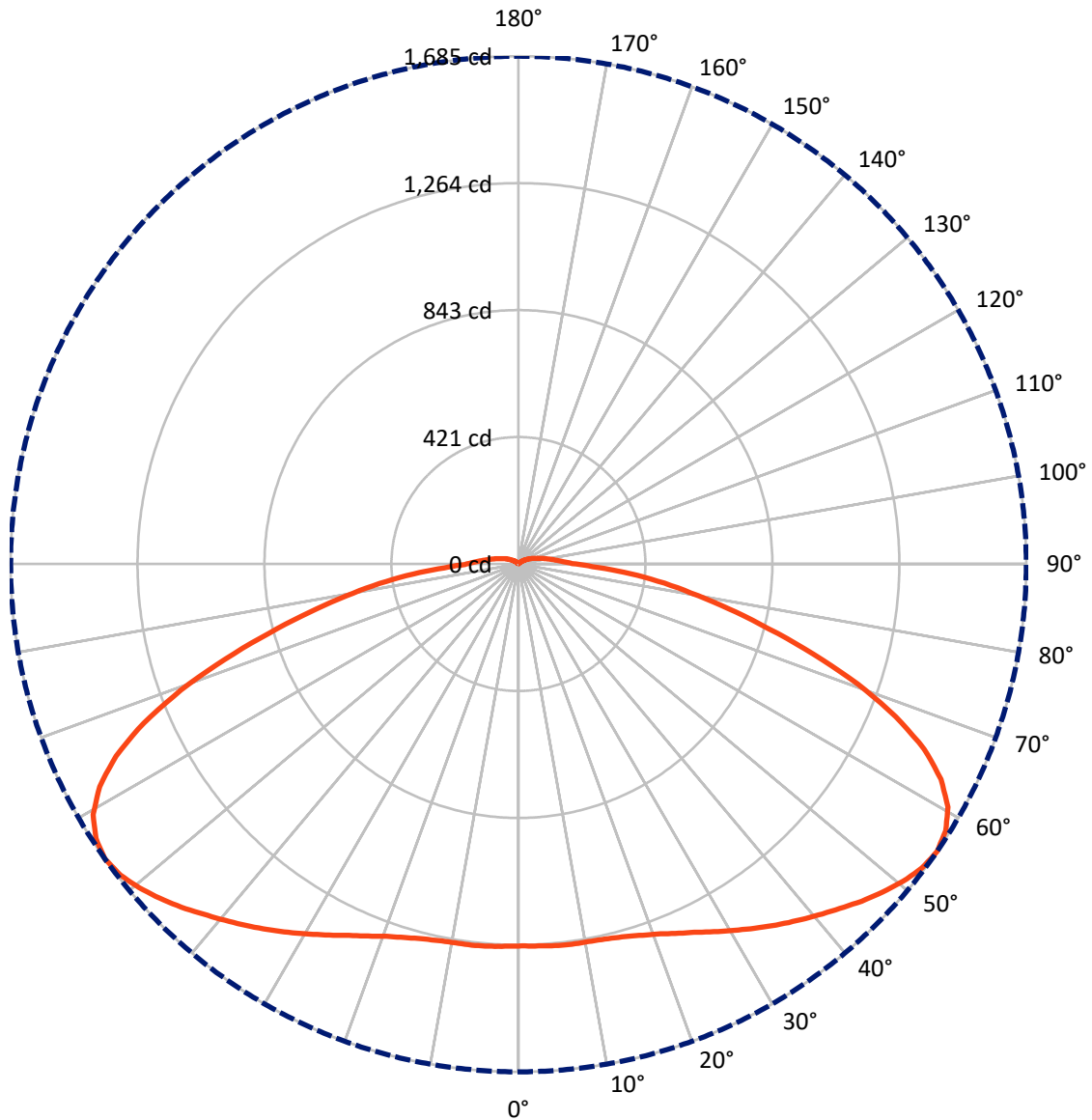
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
 Type V - Short - Cutoff

REPORT NUMBER: P306972
CATALOG NUMBER: RPGC25S - POSITION 0 - FACTORY PRESET

Luminous Intensity Polar Plot



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

REPORT NUMBER: P306972

CATALOG NUMBER: RPGC25S - POSITION 0 - FACTORY PRESET

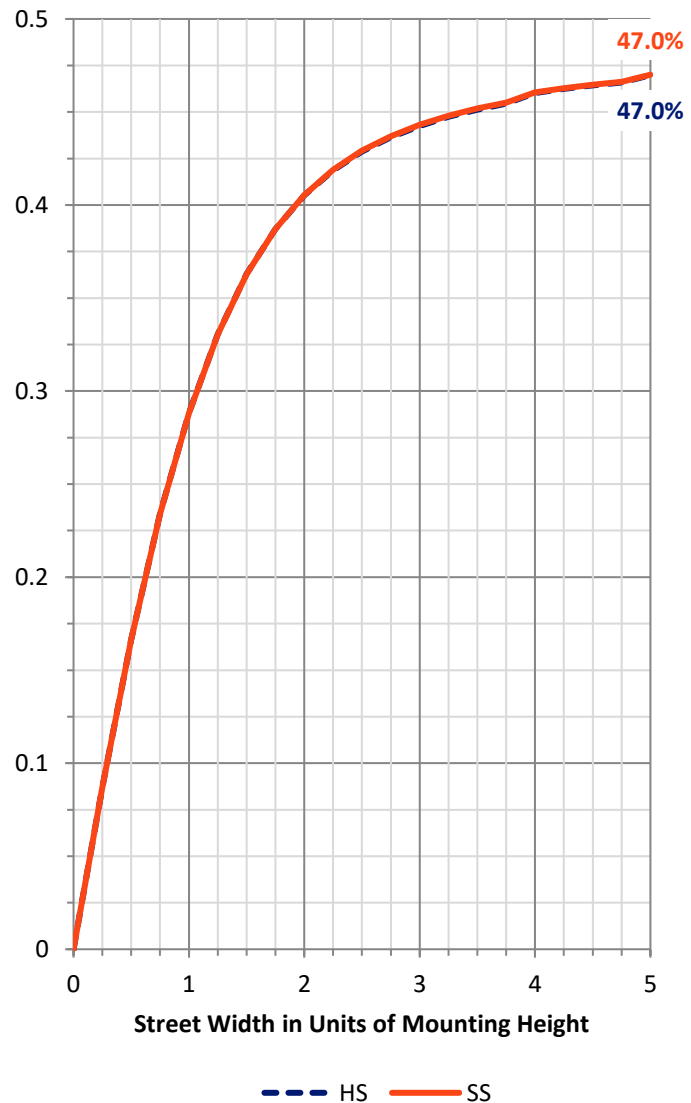
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3764.0	141.8	3905.7
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3764.0	141.8	3905.7
	% Fixture	48.2	1.8	50.0
Total	Lumens	7527.9	283.5	7811.4
	% Fixture	96.4	3.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	1.6
10°-20°	365.4	4.7
20°-30°	629.4	8.1
30°-40°	925.7	11.9
40°-50°	1236.3	15.8
50°-60°	1497.8	19.2
60°-70°	1441.2	18.5
70°-80°	917.9	11.8
80°-90°	392.9	5.0
90°-100°	143.0	1.8
100°-110°	76.5	1.0
110°-120°	39.9	0.5
120°-130°	17.7	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°	7527.9	96.4
0°-180°	7811.4	100.0



REPORT NUMBER: P306972

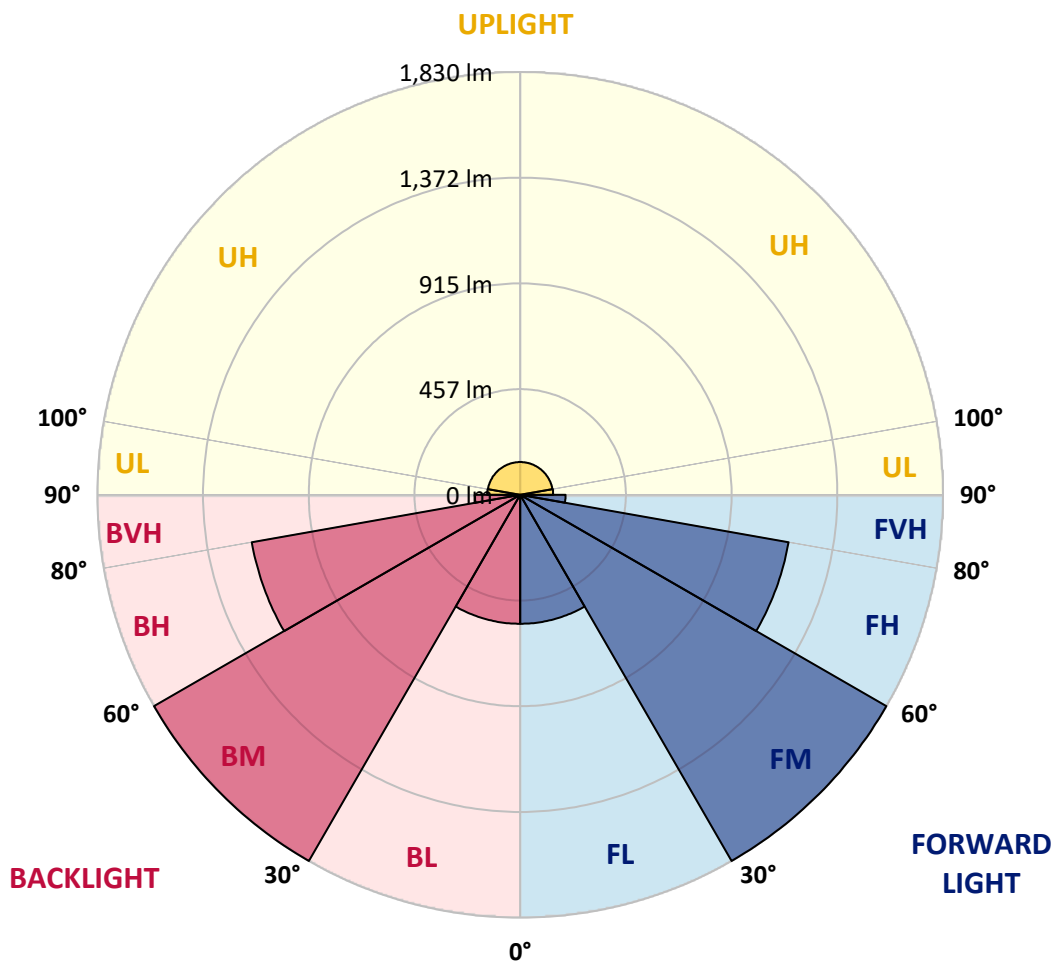
CATALOG NUMBER: RPGC25S - POSITION 0 - FACTORY PRESET

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.1	7.1			
FM (30°-60°)	1829.8	23.4			
FH (60°-80°)	1179.6	15.1			G1/1800
FVH (80°-90°)	196.4	2.5			G2/225
BL (0°-30°)	558.1	7.1	B2/1000		
BM (30°-60°)	1829.8	23.4	B2/2500		
BH (60°-80°)	1179.6	15.1	B3/2500		G1/1800
BVH (80°-90°)	196.4	2.5			G2/225
UL (90°-100°)	143.0	1.8		U3/500	
UH (100°-180°)	141.8	1.8		U3/500	

BUG Rating: B3-U3-G2

Type V Short





REPORT NUMBER: P306972

CATALOG NUMBER: RPGC25S - POSITION 0 - FACTORY PRESET

CANDELA DISTRIBUTION (FULL):

0°	
0°	1267.0
2.5°	1269.0
5°	1271.9
7.5°	1273.9
10°	1273.9
12.5°	1276.9
15°	1283.8
17.5°	1295.6
20°	1310.5
22.5°	1331.2
25°	1353.9
27.5°	1381.6
30°	1410.3
32.5°	1440.9
35°	1471.5
37.5°	1501.2
40°	1531.8
42.5°	1562.5
45°	1596.1
47.5°	1626.7
50°	1654.4
52.5°	1676.1
55°	1685.0
57.5°	1671.2
60°	1637.6
62.5°	1573.3
65°	1479.5
67.5°	1350.0
70°	1194.8
72.5°	1023.9
75°	857.8
77.5°	710.6
80°	580.1
82.5°	465.5
85°	351.8
87.5°	246.1
90°	177.9
92.5°	150.2
95°	127.5
97.5°	109.7
100°	94.9
102.5°	82.0
105°	71.2
107.5°	61.3
110°	53.4



REPORT NUMBER: P306972

CATALOG NUMBER: RPGC25S - POSITION 0 - FACTORY PRESET

CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.4
115°	39.5
117.5°	33.6
120°	27.7
122.5°	23.7
125°	18.8
127.5°	15.8
130°	11.9
132.5°	9.9
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)