

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: P306968

Luminaire Tested: **RPGC25S - POSITION 2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P306968
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 2
Description: ROUND PARKING GARAGE LUMEN SELECT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3690.4 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.1')
IES Classification: Type V - Short - Cutoff
BUG Rating: B2 - U3 - G1

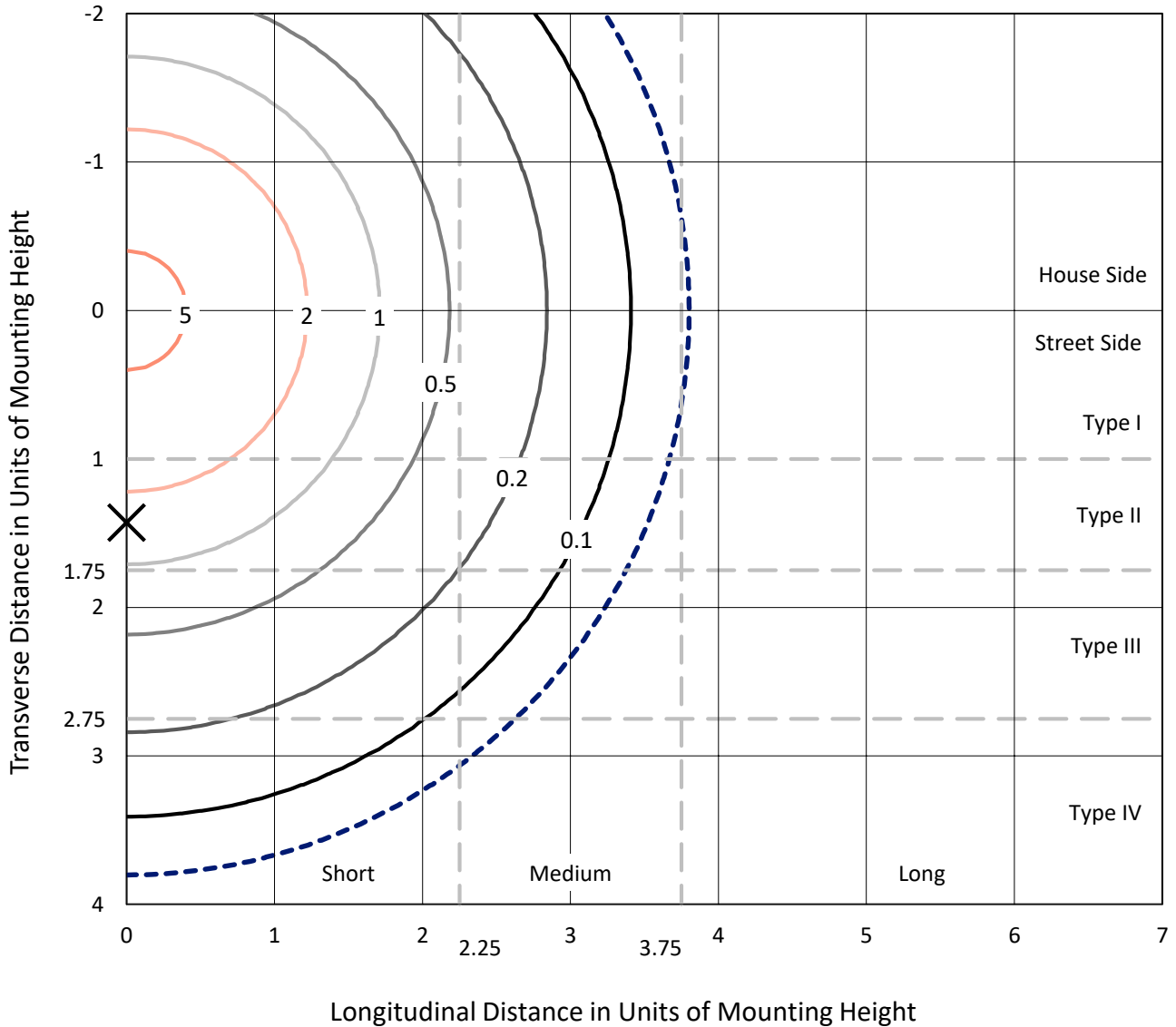
Input Watts (W): 29.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P306968
 CATALOG NUMBER: RPGC25S - POSITION 2

Iso-Footcandle Lines of Horizontal Illumination

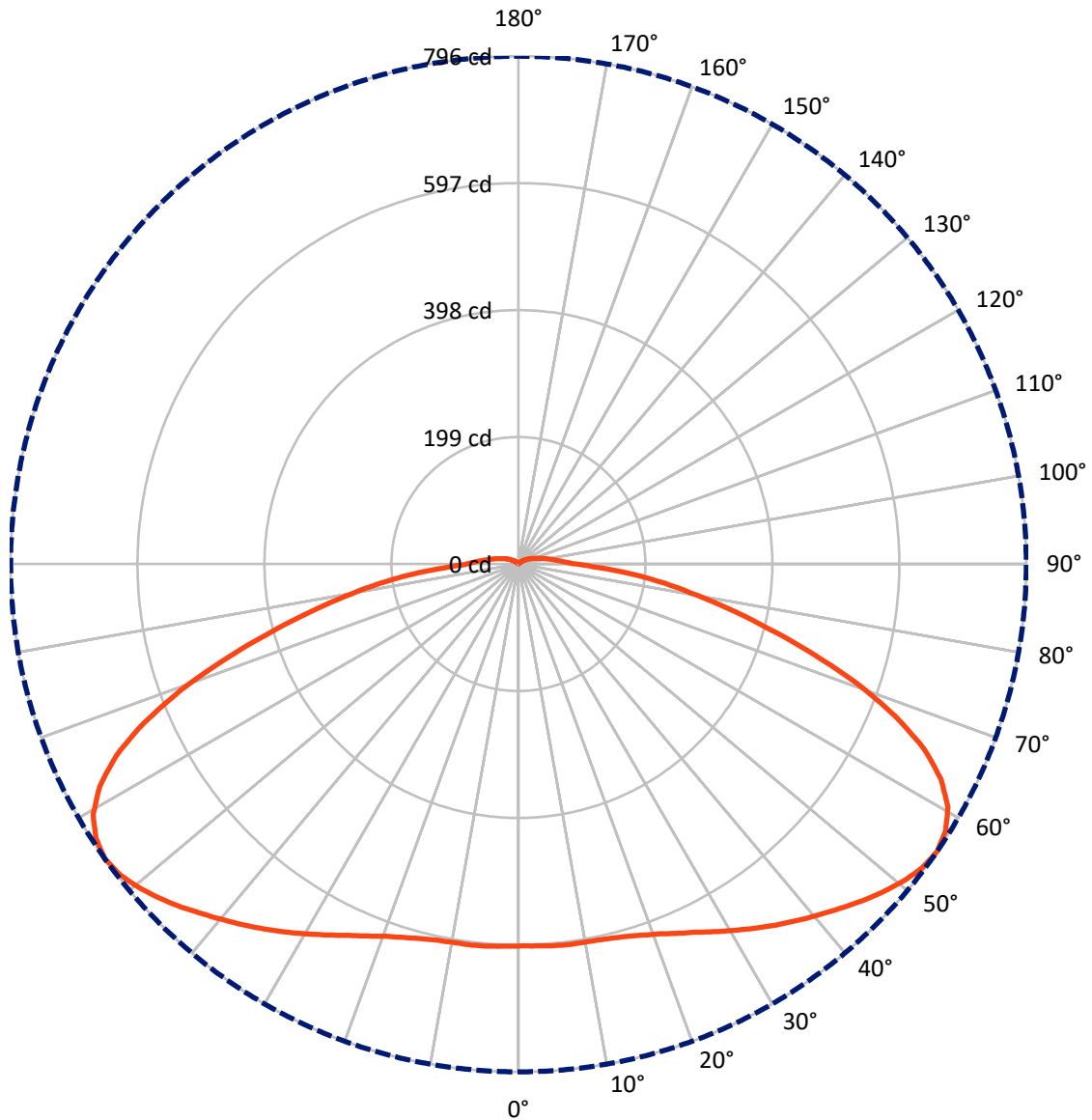
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - Cutoff

REPORT NUMBER: P306968
CATALOG NUMBER: RPGC25S - POSITION 2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P306968

CATALOG NUMBER: RPGC25S - POSITION 2

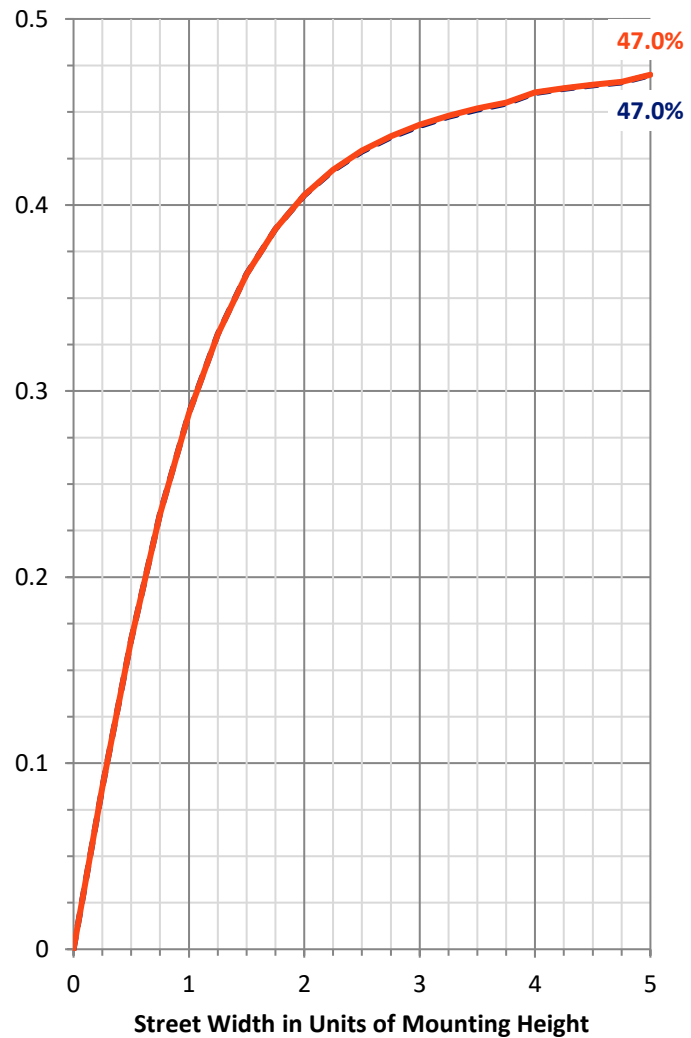
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1778.3	67.0	1845.2
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1778.3	67.0	1845.2
	% Fixture	48.2	1.8	50.0
Total	Lumens	3556.5	133.9	3690.4
	% Fixture	96.4	3.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	1.6
10°-20°	172.6	4.7
20°-30°	297.3	8.1
30°-40°	437.3	11.8
40°-50°	584.0	15.8
50°-60°	707.6	19.2
60°-70°	680.9	18.5
70°-80°	433.7	11.8
80°-90°	185.6	5.0
90°-100°	67.5	1.8
100°-110°	36.1	1.0
110°-120°	18.8	0.5
120°-130°	8.4	0.2
130°-140°	2.7	0.1
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3556.5	96.4
0°-180°	3690.4	100.0



REPORT NUMBER: P306968

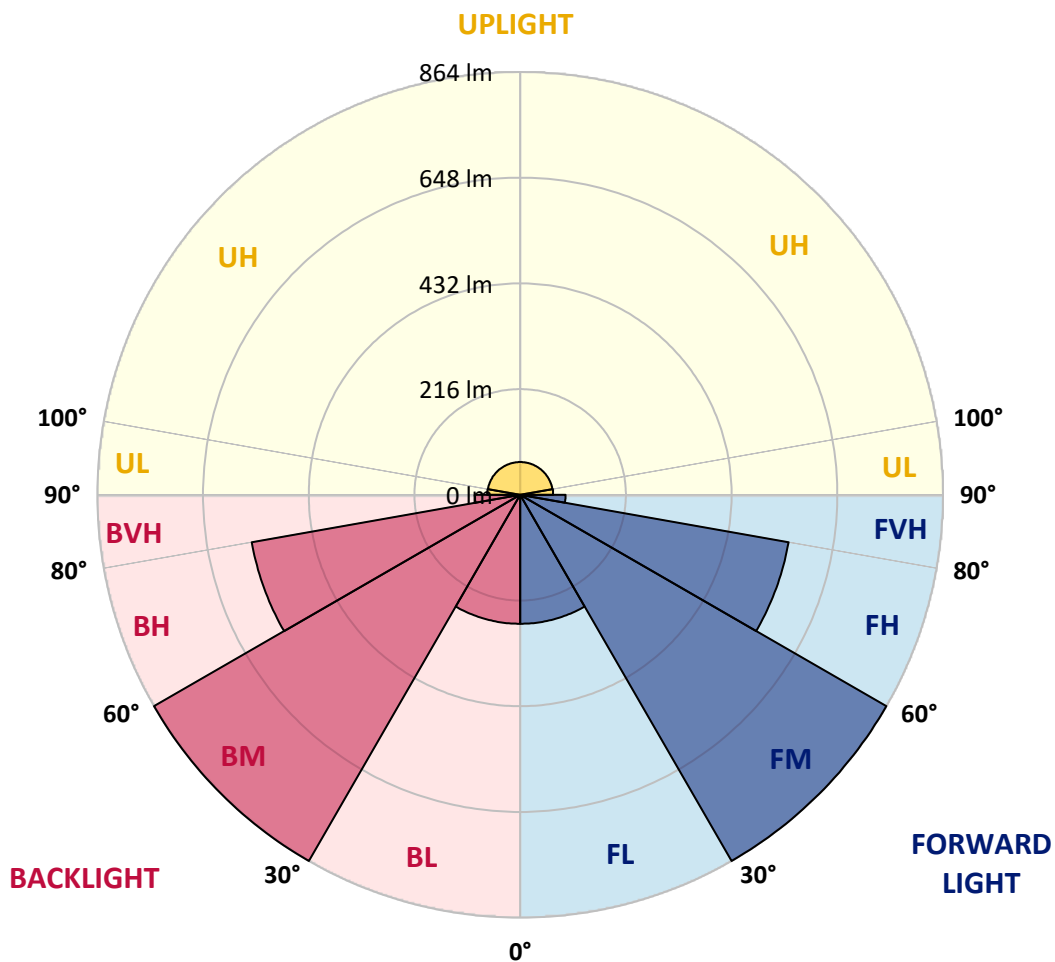
CATALOG NUMBER: RPGC25S - POSITION 2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.7	7.1			
FM	(30°-60°)	864.5	23.4			
FH	(60°-80°)	557.3	15.1			G0/660
FVH	(80°-90°)	92.8	2.5			G1/100
BL	(0°-30°)	263.7	7.1	B1/500		
BM	(30°-60°)	864.5	23.4	B1/1000		
BH	(60°-80°)	557.3	15.1	B2/1000		G0/660
BVH	(80°-90°)	92.8	2.5			G1/100
UL	(90°-100°)	67.5	1.8		U3/500	
UH	(100°-180°)	67.0	1.8		U3/500	

BUG Rating: B2-U3-G1

Type V Short





REPORT NUMBER: P306968

CATALOG NUMBER: RPGC25S - POSITION 2

CANDELA DISTRIBUTION (FULL):

	0°
0°	598.6
2.5°	599.5
5°	600.9
7.5°	601.8
10°	601.8
12.5°	603.2
15°	606.5
17.5°	612.1
20°	619.1
22.5°	628.9
25°	639.7
27.5°	652.7
30°	666.3
32.5°	680.7
35°	695.2
37.5°	709.2
40°	723.7
42.5°	738.2
45°	754.0
47.5°	768.5
50°	781.6
52.5°	791.9
55°	796.1
57.5°	789.5
60°	773.7
62.5°	743.3
65°	699.0
67.5°	637.8
70°	564.5
72.5°	483.7
75°	405.3
77.5°	335.7
80°	274.1
82.5°	219.9
85°	166.2
87.5°	116.3
90°	84.0
92.5°	71.0
95°	60.2
97.5°	51.8
100°	44.8
102.5°	38.8
105°	33.6
107.5°	28.9
110°	25.2

REPORT NUMBER: P306968

CATALOG NUMBER: RPGC25S - POSITION 2

CANDELA DISTRIBUTION (continued):

	0°
112.5°	21.9
115°	18.7
117.5°	15.9
120°	13.1
122.5°	11.2
125°	8.9
127.5°	7.5
130°	5.6
132.5°	4.7
135°	3.3
137.5°	2.3
140°	1.4
142.5°	0.9
145°	0.5
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)